

## Calendar

### Monday, Dec. 17

THERE WILL BE NO  
PARTICLE ASTROPHYSICS  
SEMINAR THIS WEEK

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over

**4 p.m.**

All Experimenters' Meeting  
Special Topics: Tevatron  
Operations Since the  
Shutdown; CMS Global Run  
Experience - Curia II

### Tuesday, Dec. 18

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
ACCELERATOR PHYSICS  
AND TECHNOLOGY  
SEMINAR TODAY

[Click here](#) for NALCAL,  
a weekly calendar with links  
to additional information.

## Weather



**Chance of flurries**  
**25°/17°**

[Extended Forecast](#)  
[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

### Monday, December 17

- not available

[Wilson Hall Cafe Menu](#)

## Chez Leon

## Feature

### AD head Roger Dixon honored with APS Fellowship



AD head Roger Dixon was elected an APS Fellow  
in late November.

Roger Dixon has long been a leader at  
Fermilab. Now he has been named a leader in  
his field.

Late last month, Dixon was elected an  
American Physical Society Fellow in the  
Division of Particles & Fields, an honor only  
bestowed annually to one-half of 1 percent of  
the APS total membership. Dixon was elected  
to the honor for his leadership of the Tevatron  
II Run luminosity upgrade program and his  
leadership in the construction and initial  
operation of the Cryogenic Dark Matter Search.

"This really makes it clear to me that I've been  
extremely fortunate from graduate school on  
to work with such exceptional people," Dixon  
said. "On CDMS and Run II, the people I've  
worked with were incredibly talented and  
extremely dedicated."

Two groups of those people feel the same way  
about him. Dixon's efforts to boost the success  
of the Tevatron have helped to increase the  
success of both the CDF and DZero detectors.

"I am very pleased to see such a thoughtful  
physicist recognized with this honor. Roger's  
leadership of the Accelerator Division has had  
a tremendous positive impact on the CDF  
experiment," said CDF co-spokesperson Rob

## Safety Tip of the Week

### Stay safe while shoveling



Shoveling snow can be hard on your body.  
Prepare properly, and be as safe as possible when  
shoveling.

Though winter doesn't start for five days, many  
of us have already seen enough snow. One  
person who gets to deal with more than his fair  
share of snow is Roads & Grounds  
Department Manager, Mike Becker. He points  
out that the hazards of snow shoveling go  
beyond back strains and slips; moving heavy  
snow is also hard physical labor. Here are  
some tips for avoiding injury during snow  
removal.

**Fitness** - The frequency and severity of heart  
attacks peak in winter. If you are over 45 and  
sedentary, avoid shoveling unless you get  
approval from your physician. If you smoke,  
have heart disease, high blood pressure, are  
overweight, or on chemotherapy, you should  
avoid shoveling regardless of age.

**Tools** - Using the right tool for the job usually  
reduces your risk of injury. Manual plows and  
ergonomic "bent shaft" shovels help to limit the  
need for bending and lifting.

**Preparation** - Warm up for 5-10 minutes.  
Engage in a full-body activity such as brisk  
walking. Gently stretch your lower back and  
hamstring muscles. Loosen arms and  
shoulders by hugging your body. Drink water  
before and after shoveling to avoid  
dehydration.

**Wednesday, Dec. 19****Lunch**

- Salmon and spinach Wellington
- Mixed greens w/radishes and raspberry vinaigrette
- Almond butter cake

**Thursday, Dec. 20****Dinner**

- Chestnut soup w/cognac cream
- Medallion of lobster w/ champagne butter sauce
- Steamed spaghetti squash
- Sautéed pea pods & red pepper
- Spinach pomegranate salad
- Raspberry parfait w/ assortment of Christmas cookies

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Fermilab Today is online at:  
[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

Roser.

Dixon assumed leadership of the Accelerator Division in 2003. Under his leadership, the Tevatron improved from averaging three inverse picobarns of integrated luminosity per week to 35.

"Roger went through many challenging and exciting projects, leading divisions and experiments and the outcome was always scientific success," said DZero co-spokesman Dmitri Denisov. "In early 2000's the Tevatron complex and the laboratory were struggling with getting Tevatron luminosity up to design goals. It was Roger who stepped up to lead the Accelerator Division and push the Tevatron to remarkable performance."

[Read more](#)

--*Rhianna Wisniewski*

**Milestone****Four Fermilab experiments among top 10 physics stories**

**Editor's Note:** Four of Fermilab's experiments were featured in three of the AIP Bulletin of Physics News' top ten physics stories for 2007. Included are: MiniBooNE's solved neutrino mystery, the Tevatron's hunt for the Higgs and other observed events; and the conclusion by Auger Observatory that the highest energy cosmic rays come from active galactic nuclei.

[Read the full list](#)

**Feature****Laboratory Releases Physics Advisory Committee Report**

The Fermilab Physics Advisory Committee (PAC) met at Fermilab from November 1-3 to review aspects of the Fermilab science program. The focus of this fall's meeting included Project X and its physics, computational cosmology, neutrino physics program submissions, US CMS Upgrade plans, muon to electron conversion, and the Tevatron Collider program.

The charge to the Committee and its comments and recommendations are now available via links from the [PAC webpage](#).

The PAC is a major source of advice to Director Pier Oddone about the future direction of Fermilab's experiments and

**Technique** - Get a good footing and lift with your legs instead of your back. Face the load and avoid twisting your back. Keep loads light with the heaviest part close to your body. Carry snow, rather than reaching or tossing it. Better yet, push the snow rather than lift it. Take a 1-2 minute stretch break every 10-15 minutes, work within your limits and don't ignore symptoms.

[Safety Tip of the Week Archive](#)**Accelerator Update****Dec. 12 - 14**

- Two stores provided 29 hours and 39 minutes
- Linac Momentum dump vacuum capped
- Cryo experts complete repair on C4 cold compressor
- Duty Electrician finds and replaces very old Linac breaker

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements**[Have a safe day!](#)**Weekly time sheet due dates**

Weekly time sheets for the week ending Dec. 23 are due in Payroll by 10 a.m. on Dec. 17. Revisions for week ending Dec. 16 are due in Payroll by 9 a.m. on Dec. 17. Weekly employees pay dates for the weeks ending Dec. 16 and Dec. 23 will be Dec. 21.

**Project X physics workshop Jan. 25-26**

Fermilab will host a second users' workshop Jan. 25-26 to discuss the physics of Project X. The workshop will focus on the details of the experiments that might be proposed to take advantage of a high-intensity proton source, their physics impact and the development of the overall experimental strategy. Information about the workshop, working groups and ongoing efforts is available [online](#).

**New IT job descriptions**

Open meetings for questions and answers will be held in WH One West for employees affected by this process:

Monday, Dec. 17, 1:30 - 3 p.m.

Tuesday, Dec. 18, 9 - 10:30 a.m.

Wednesday, Dec. 19, 9 - 10:30 a.m.

Before attending, please review the [presentation](#)

programs. Ever since Fermilab's early days, the PAC's recommendations and comments have offered insight into opportunities and issues important to members of the Laboratory community.

The PAC is composed of senior scientists from universities and high-energy physics laboratories in the U.S. and abroad. "The theorists and experimentalists on the Committee offer both breadth of vision and depth of experience," said Appel. "The combined wisdom of the members is greater than the sum of its parts, coming as it does from detailed presentations and discussions by a diverse group of researchers."

**Blood Drive Dec. 18, 19**

Mark your calendars. Heartland Blood Centers will be here for the Fermilab Blood Drive on Dec. 18 and 19 from 8 a.m to 2 p.m. in the Wilson Hall Ground Floor NE Training Room. Appointments can be scheduled on the [Web](#) or by calling Diana at x3771 or Margie at x5680. More information can be found [here](#).

**Access 2003: Intermediate Jan. 15**

Learn how to follow the steps required to properly design a simple database. Create a new database with related tables and much more. [Learn more and enroll](#)

**PowerPoint: Designing Effective Presentations - Jan. 16**

Learn useful PowerPoint methods and techniques to create eye-catching, attention-grabbing presentations. [Learn more and enroll](#)

**[Additional Activities](#)**